

EDMS *Reference Manual* Supplement
-Model Changes between EDMS 3.23 and EDMS 3.231-
April 27, 2001

Dispersion

Change	Effect
<p><u>Gate Dispersion</u></p> <p>In previous versions, when a user utilized an aircraft-engine combination more than once in a study, gate source assignments (GSE and APU) did not discriminate between aircraft identifications for dispersion purposes. This meant that when a piece of GSE or an APU was assigned to a specific instance of an aircraft-engine combination, it was considered to be assigned to all instances of that aircraft-engine combination for dispersion purposes. If the same equipment was assigned to multiple instances of the aircraft-engine combination, then the dispersion routines would <u>over-predict</u> concentrations at gates, because the equipment would be counted multiple times. This error has been corrected. The emissions inventory results were not affected by this problem.</p>	<p>For users with the same aircraft-engine combination used more than once in a study, the gate dispersion will now be calculated correctly. Users of previous versions of EDMS should re-run dispersion to generate new results.</p>